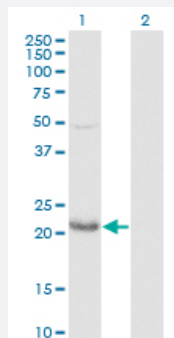


GLO1 polyclonal antibody (A01)

Catalog # H00002739-A01

Size 50 uL

Applications

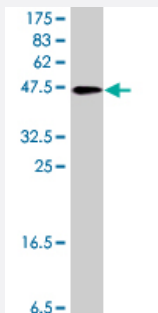


Western Blot (Transfected lysate)

Western Blot analysis of GLO1 expression in transfected 293T cell line by GLO1 polyclonal antibody (A01).

Lane1:GLO1 transfected lysate (Predicted MW: 20.7 KDa).

Lane2:Non-transfected lysate.



Western Blot detection against Immunogen (46.35 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant GLO1.
Immunogen	GLO1 (AAH11365, 1 a.a. ~ 184 a.a) full-length recombinant protein with GST tag.
Sequence	MAEPQPPSGGLTDEAALSYCSDADPSTKDFLLQQTMLRVKDPKSLDFYTRVLGMTLIQKCDFPI MKFSLYFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQSYHNGNSDPRGFHGIGIA VPDVYSACKRFEELGVKFVKKPDDGKMKGLAFIQDPDGYWIEILNPNKMATLM
Host	Mouse
Reactivity	Human

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.35 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GLO1 expression in transfected 293T cell line by GLO1 polyclonal antibody (A01).

Lane1:GLO1 transfected lysate (Predicted MW: 20.7 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GLO1

Entrez GeneID	2739
GeneBank Accession#	BC011365
Protein Accession#	AAH11365
Gene Name	GLO1
Gene Alias	GLOD1, GLY1
Gene Description	glyoxalase I
Omim ID	138750 209850
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere. [provided by RefSeq

Other Designations

OTTHUMP00000016339|glyoxalase domain containing 1||lactoyl glutathione lyase||lactoylglutathione lyase

Publication Reference

- [Glyoxalase I \(GLO1\) is up-regulated in pancreatic cancerous tissues compared with related non-cancerous tissues.](#)

Wang Y, Kuramitsu Y, Ueno T, Suzuki N, Yoshino S, Iizuka N, Akada J, Kitagawa T, Oka M, Nakamura K.

Anticancer Research 2012 Aug; 32(8):3219.

Application: WB-Tr, Human, Human pancreatic cancer

- [Polyproline-rod approach to isolating protein targets of bioactive small molecules: isolation of a new target of indomethacin.](#)

Sato S, Kwon Y, Kamisuki S, Srivastava N, Mao Q, Kawazoe Y, Uesugi M.

Journal of the American Chemical Society 2007 Jan; 129(4):873.

Application: WB, Human, A-549 cells

Pathway

- [Pyruvate metabolism](#)

Disease

- [Albuminuria](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
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